C-4000 Zoom FAQ's

Olympus C-4000 Zoom Digital Camera

Box Contents:
* 16MB SmartMedia^{TM} removable memory card
* USB Computer Connection Cable
* Video Cable
* Carrying Strap
* Lens cap with retainer cord
* (2) LB-01/CR-3V Lithium batteries
* CAMEDIA Master Software
* Instruction Manual
* Quick Start Guide
* Warranty Card

Features and Benefits of the C-4000 Zoom camera include:

- 4-megapixel (effective) CCD
- Excellent optics designed specifically for digital photography
- 10x total seamless zoom (3x optical, 3.3x digital)
- USB Auto-Connect means you simply drag and drop your images/QuickTime movies to quickly transfer them from camera to computer
- Macro and 1-inch Super Macro for extreme close-ups you can be proud of
- 6 Scene Program Modes
- Optimum Image Enlargement mode helps you get the extra-large prints you desire
- Virtual Mode Dial for quick selection of 6 Scene Program modes and 4 custom "My Modes"
- Noise Reduction mode for clear images during long exposures
- Fun Image Edit Effect Modes - Black & White and Sepia Modes and "File Resize Mode"
- Video out and External TTL Flash Terminal
- Accessory lens compatible

C-4000 Zoom Specifications	
CCD Imager	4.0 Megapixel Effective
	4.1 Megapixel
	Size (in inch) 1/1.8" CCD

Lens	Olympus aspherical glass 3x zoom lens 6.5-19.5mm (32-96mm equivalent in 35mm photography)
Seamless Digital Zoom	10X (3x optical and 3.3x digital combined)
Aperture Range	F2.8 – F11
Shutter Speeds	1/1000 sec. – 16 sec.
ISO	Auto: 100 / 200 / 400
Recording Mode(s)	Still image: EXIF 2.2JPEG, DCF (design rule for Camera File system), QuickTime[R] Motion JPEG (Movie Mode)
Adjustable Resolutions	TIFF: 2288x1712, 2048x1536, 1600x1200, 1280x960, 1024x768, 640x480, 2288x1520 (2288x1520 3:2 mode - CCD captures at 3:2 aspect ratio to fit 4X6 prints**)** SHQ JPEG: 3200x2400, 2288x1712, 2288x1520, (2288x1520 3:2mode) HQ JPEG: 3200x2400, 2288x1712, 2288x1520 (2288x1520 3:2mode) SQ1 JPEG: 2048x1536, 1600x1200, 1280x960 SQ2: 1024x768, 640x480 320 x 240 @15fps QuickTime Motion JPEG 160 x 120 @15fps QuickTime Motion JPEG
DPOF (Digital Print Order Form)	Print Reserve, All print reservation, Display Date information
Image Effect Shooting Modes	Sepia Mode,Black and White Mode, White Board, Black Board
Image Edit Effects	Resize - portable file size for E-mail or web Trimming (Create Cropped Copy)
Panorama	Up to 10 frames stitchable with CAMEDIA Master software when using Olympus brand SmartMedia[TM]
Sequence	1.7/sec. Max 8 frames in HQ mode
Viewfinder	Optical real-image viewfinder with autofocus /backlight mark
LCD	4.5cm /1.8" 110,000 colour TFT LCD used for viewing, reviewing or editing images.
Focusing System	iESP Multi-Pattern AF (autofocus) TTL system (contrast detection), Manual Focus by Gauge, Selectable AF Point – Moveable by Jog Dial
Focusing Ranges	Standard AF 0.8m – Infinity Macro Mode 0.2m-0.8m Super Macro Mode 0.02m - 0.8m

Exposure Control	Program Auto F2.8 - F10, 16 - 1/000 sec shutter speed
Metering System	Digital ESP Multi-Pattern Meter, Spot meter, Multi-Spot Averaged (up to 8 separate points), Histogram display available in Shooting mode
White Balance System	iESP Multi-pattern auto TTL. Pre-set manual settings: Daylight, Overcast, Tungsten and Fluorescent "One Touch" custom WB setting available.
Fine WB Adjustment	-7 (red) +7(blue)
Sharpness Adjustment	+/- 5 steps
Contrast Adjustment	+/- 5 steps
Saturation Adjustment	+/- 5 steps
Flash	Built-in Flash, Plus 5 pin terminal for TTL w/FL-40, or sync to studio strobes
Flash Modes	Auto Flash for low and backlight "Red-eye" Reduction Flash Fill-in Flash Slow Shutter Synchronized Flash (first curtain) Slow Shutter Synchronized Flash (second curtain) Slow Shutter Synchronized Flash (first curtain) w/red-eye reduction Flash Off (built-in or external flash)
Flash Working Range	Wide: 0.7 m - 3.5 m, Tele: 0.2 m - 3.5 m
Flash Charging Time	Less than 6 seconds (at normal temperature with new batteries)
Removable Media Card	3V (3.3V) SmartMediaTM card (4, 8, 16, 32, 64, and 128 MB) 16-MB card included.
Self-timer/Remote	12 second delay with built in self-timer
Settings Memorization	Reset or Hold certain camera settings after power on/power off
Outer Connectors	Mini "B" USB connector (Auto-Connect), Video Out, DC input,
Auto-Connect USB	Compatible with Windows 98 rev2/ME/2000 Pro/XP-MacOS 8.6-9.01/OSX
Image Playback	Index display, up to 4X enlargement, Slide-show, Scene rotation, Histogram display
Operating Environment	Operation: 0C – 40C 30-90% Humidity Storage: -20C – 60C 10-90% Humidity
Power Supply	Main Power Source: 2 LB-01 (CR-V3 type) (included) 4 x AA Ni-MH rechargeable batteries 4 x AA Alkaline batteries 4 x AA Lithium batteries 4 x AA NiCd rechargeable batteries (Manganese batteries cannot be used) AC Power: C-7AU 6 Volt AC adapter (optional)
Date/Time Calendar	Simultaneous recording into image date
Calendar	Automatic up to the year 2099
Size	102mm W x 76mm H x 70mm D
Weight	295 g. without batteries and SmartMedia™

Q: What are the main differences between the C-4000 Zoom and the C-4040 Zoom?

A: The main differences between the C-4000 Zoom and the C-4040 Zoom is that the C-4000 Zoom added the following:

- Virtual Mode Dial for quick selection of 6 Scene Program modes and 4 custom "My Modes"
- Super Macro for extreme close-ups. You can photograph your subject as close as 0.2m.
- AF Area – allows you to select the area that you want to focus on; by changing the position of the AF Target Mark.
- NTSC and PAL video output – now you can also view your images on a television overseas. This camera includes both NTSC and PAL video output options.
- Selectable Language Menu - The menu can be viewed in four different languages (English, French, German and Spanish).
- 3:2 Aspect ratio – lets you print the entire image without losing its borders; almost the same image size used by photo labs.
- PW On/Off – Sets the picture displayed on the monitor when the camera is turned on or off.
- Histogram - displays the brightness and contrast of the subject on your camera monitor during shooting and playback modes.

The C-4040 Zoom offers:
- A Remote Control option
- An F1.8 aperture which is better suited for low light photography without flash.

Q: Where is the Reference Manual for the C-4000 Zoom?

A: The CD-ROM provides a full Reference Manual in PDF format on the CD-ROM. Adobe Acrobat which is provided on the CD-ROM is necessary to view the PDF manual. The printed manual that is included with the camera is a "Basic Manual".

Q: How do I download from the camera to my computer?

A: Instructions for downloading images from the C-4000 Zoom are located on the CD Rom under the "Reference" under "Connecting the Camera to a PC", or at our web site (http://www.olympus-europa.com).

Q: What is the battery life expectancy of the C-4000 Zoom?

A: The battery life on alkaline batteries vary according to manufacturer and power rating. Alkaline Batteries can provide up to 150 shots with typical usage. The Olympus CR-V3 long-life lithium batteries will provide approximately 400 shots. The Olympus Ni-MH batteries would provide approximately 250 shots per charge and they can be recharged 300 to 500 times.

Q: Are the provided Olympus LB-01 CR-V3 lithium batteries rechargeable?

A: No, the Olympus LB-01 CR-V3 lithium batteries are not rechargeable.

Q: What do I need to attach a filter to the camera?

A: You would need the CLA-1 Lens Adapter Tube and the 43-55mm Step Up Ring .

Q: What do I need to attach a conversion lens to the camera?

A: You would need the CLA-1 Lens Adapter Tube and the appropriate Step Up Ring that comes packaged with the conversion lens.

Q: Which conversion lenses can I use with the C-4000 Zoom camera?

A: You can use any of the following lenses with the C-4000 Zoom camera:
WCON-08E B-28 Wide Angle Lens - (includes 43-55mm Step Up Ring)

TCON- 14 1.45 Teleconverter Lens - (includes 43-46 mm Step Up Ring)

MCON-40 Macro Lens - (includes 43-55mm Step Up Ring)

Q: Can a remote control be used with the C-4000 Zoom camera?

A: No, a remote control can not be used with the C-4000 Zoom camera.

Q: What is the purpose of the Extension Flash connector terminal?

A: You can use the Extension Flash connector terminal along with the optional flash bracket "FL-BK01" and bracket cable "FL-CB01"; for the Olympus FL-40 dedicated flash. With the use of bracket cable "FL-CB04", you can use another brand extension flash.

Q: How do I connect an external flash to my C-4000 Zoom?

A: For external flash use with the C-4000 Zoom, you will need the appropriate flash cable and grip. Please use the following chart as a reference:
Exclusive Grip FL-BK01- used to mount external flash to the C-4000 Zoom.
Bracket Cable FL-CB01- this cable is required for the dedicated FL-40 flash.
PC Flash Cable FL-CB04- this cable is required for any "other" external flash/strobe use that connects with pc sync cable.

Q: Does the C-4000 Zoom camera have a video output feature?

A: Yes, it supports both NTSC and PAL.

Q: Is sound recording available on the C-4000 Zoom?
A: No, the camera does not have a built-in microphone.

Please see the following chart for information on compression rates of images, file sizes of images and storable images on a 16 and 32mb card.

Image	Quality Setting Record Mode		Record Size	Compression Rate	Number of images on a 16MB	Number of Images on a 32MB	Image File Size
Still picture	TIFF		2288x1712	1/1	1	2	11.8MB
		(3:2)	2288x1520	1/1	1	3	10.4MB
			2048x1536	1/1	1	3	9.4MB
			1600x1200	1/1	2	5	5.8MB
			1280x960	1/1	4	8	3.7MB
			1024x768	1/1	6	13	2.4MB
			640x480	1/1	16	33	920KB
	SHQ		2288x1712	About 1/2.9	5	11	2.7MB
		(3:2)	2288x1520	About 1/2.7	6	12	2.6MB
		Enlargement mode	3200x2400	About 1/2.7	2	5	5.7MB
	HQ		2288x1712	About 1/8	16	32	980KB
		(3:2)	2288x1520	About 1/8	18	36	870KB
		Enlargement mode	3200x2400	About 1/8	8	16	1.9MB
	SQ1	High quality	2048x1536	About 1/2.7	6	13	2.3MB
		Standard		About 1/8	20	40	790KB
		High quality	1600x1200	About 1/2.7	11	22	1.4MB
		Standard		About 1/8	32	64	480KB
		High quality	1280x960	About 1/2.7	17	34	910KB
		Standard		About 1/8	49	99	310KB
	SQ2	High quality	1024x768	About 1/2.7	26	53	580KB

				About 1/8	76	153	200KB
		High quality	640x480	About 1/2.7	66	132	230KB
		Standard		About 1/8	165	331	77KB
Motion picture	HQ		320x240	-			340KB
	SQ		160x120	-			77KB

Q: In the Super Macro mode of the C-4000 Zoom, what is the minimum focusing distance to a subject?
A: Shooting can be performed at a minimum focusing distance of 0.02m, at all zoom ranges from wide to telephoto. An approximate 2.5cm x 3.75cm subject can be photographed within the frame at the full telephoto position.

Q: Does the Olympus C-4000 Zoom camera support the new Exif image format standard?

A: Yes, the C-4000 Zoom supports Exif 2.2 image format. The Exif 2.2 image format records data tags for specific camera settings and functions.